

⁴¹
~~66~~. (New) The method of claim 5, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

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~~67~~. (New) The method of claim 23, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

⁴³
~~68~~. (New) The method of claim 24, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

⁴⁴
~~69~~. (New) The method of claim 25, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

⁴⁵
~~70~~. (New) The method of claim 26, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

⁴⁶
~~71~~. (New) The method of claim 27, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

⁴⁷ ³⁴
~~72~~. (New) The method of claim ~~38~~, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

⁴⁸ ³⁵
~~73~~. (New) The method of claim ~~39~~, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

⁴⁹ ³⁶
~~74~~. (New) The method of claim ~~40~~, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

~~75~~. (New) The method of claim ~~41~~, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

76. (New) The method of claim ~~42~~⁵⁰, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

77. (New) The method of claim ~~43~~⁵¹, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

78. (New) The method of claim ~~44~~⁵², wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

79. (New) The method of claim ~~45~~⁵³, wherein said method is capable of detecting total nucleic acid in amounts as low as 5 pg.

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~~80~~⁵⁰. (New) The method of claim 1, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

~~81~~⁵¹. (New) The method of claim 2, wherein said method is capable of detecting total DNA fragments shorter than 800 basepairs.

~~82~~⁵². (New) The method of claim 3, wherein said method is capable of detecting total DNA fragments shorter than 800 basepairs.

~~83~~⁵³. (New) The method of claim 4, wherein said method is capable of detecting total DNA fragments shorter than 800 basepairs.

~~84~~⁵⁴. (New) The method of claim 5, wherein said method is capable of detecting total DNA fragments shorter than 800 basepairs.

~~85~~⁵⁵. (New) The method of claim 23, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

⁵⁶
~~36~~. (New) The method of claim 24, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

⁵⁷
~~37~~. (New) The method of claim 25, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

⁵⁸
~~38~~. (New) The method of claim 26, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

⁵⁹
~~39~~. (New) The method of claim 27, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

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COO4.
⁶⁰
~~30~~. (New) The method of claim ³⁴~~30~~, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

⁶¹
~~31~~. (New) The method of claim ³⁵~~31~~, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

⁶²
~~32~~. (New) The method of claim ³⁶~~32~~, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

~~33~~. (New) The method of claim ~~41~~, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

~~34~~. (New) The method of claim ~~42~~, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

~~35~~. (New) The method of claim ~~43~~, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

96. (New) The method of claim 44, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.

97. (New) The method of claim 45, wherein said method is capable of detecting DNA fragments shorter than 800 basepairs.
